MRI scans

Imaging is a really valuable tool – it helps doctors to diagnose conditions and plan what the best course of treatment might be. MRI or Magnetic Resonance Imaging is a technique that uses magnetic field and radio waves to create detailed images of the organs and tissues within your body. MRI scans provide excellent detail and are a safe procedure for patients who might need to have regular scans to keep track of their progress.

Our researchers are looking at ways to make MRI scans more accurate and reliable, as well as how we might be able to use them to diagnose more cancers earlier.

If you’d like to read more about MRI, we’d recommend visiting the websites below:

MRI scan information: www.cancerresearchuk.org/about-cancer/cancer-in-general/tests/mri-scan

What’s it like to have an MRI scan?: youtu.be/NUbifL_MAro

Glossary

Radiographer
A person who operates a machine that uses forms of radiation to take pictures of the inside of people to help diagnose and treat injury or illness.

Cross section
Something that has been cut in half so that you can see the inside.

Cells
The 'building blocks' of our bodies. Our bodies are made up of more than a hundred million million (100,000,000,000,000) cells.

Diagnose
The identification of an illness, usually done by a doctor and often following specific tests.

MRI: Magnetic Resonance Imaging
A technique that uses magnetic field and radio waves to create detailed images of the organs and tissues within your body.

Treatment
How doctors will try and cure any illness or disease.
Guess the fruit MRI scan

Become a radiographer for a day and guess what fruit has been scanned. You’ll be looking at a cross section of the fruit, so it’ll look very different to how it normally does!

Radiographers take images of the insides of our bodies using an MRI scanner. The pictures are very detailed and are used to help diagnose injuries and illnesses and plan treatments.

You’ll need:
- MRI fruit images
- Answer sheet

Instructions:
1. Print off the MRI fruit images and spread them out on a table or the floor
2. Write your answers in the spaces provided
3. Use the answer sheet to see how you did!

Don’t have a printer? Don’t worry, you can still join in. Using a pen and paper, make a list of all the fruit. Then while viewing the MRI fruit scans on a mobile, laptop or desktop, jot down the number of the image next to the fruit.
Guess the fruit MRI scan

The following fruit has been through the MRI scanner. Can you identify which fruit is which: pear, avocado, kiwifruit, apple, pomegranate, peach, strawberry, tomato, plum and passion fruit.

1

Answer: _________________________

2

Answer: _________________________

3

Answer: _________________________

4

Answer: _________________________
Guess the fruit MRI scan

5

Answer:  

6

Answer:  

7

Answer:  

8

Answer:  
Guess the fruit MRI scan

You’ve put your skills to the test as a radiographer. How did you do?

Check the answers below:

1. Apple
2. Kiwifruit
3. Passion fruit
4. Peach
5. Strawberry
6. Pear
7. Plum
8. Pomegranate